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Comparative Hybridization Analysis of Gene Expression (CHANGE)

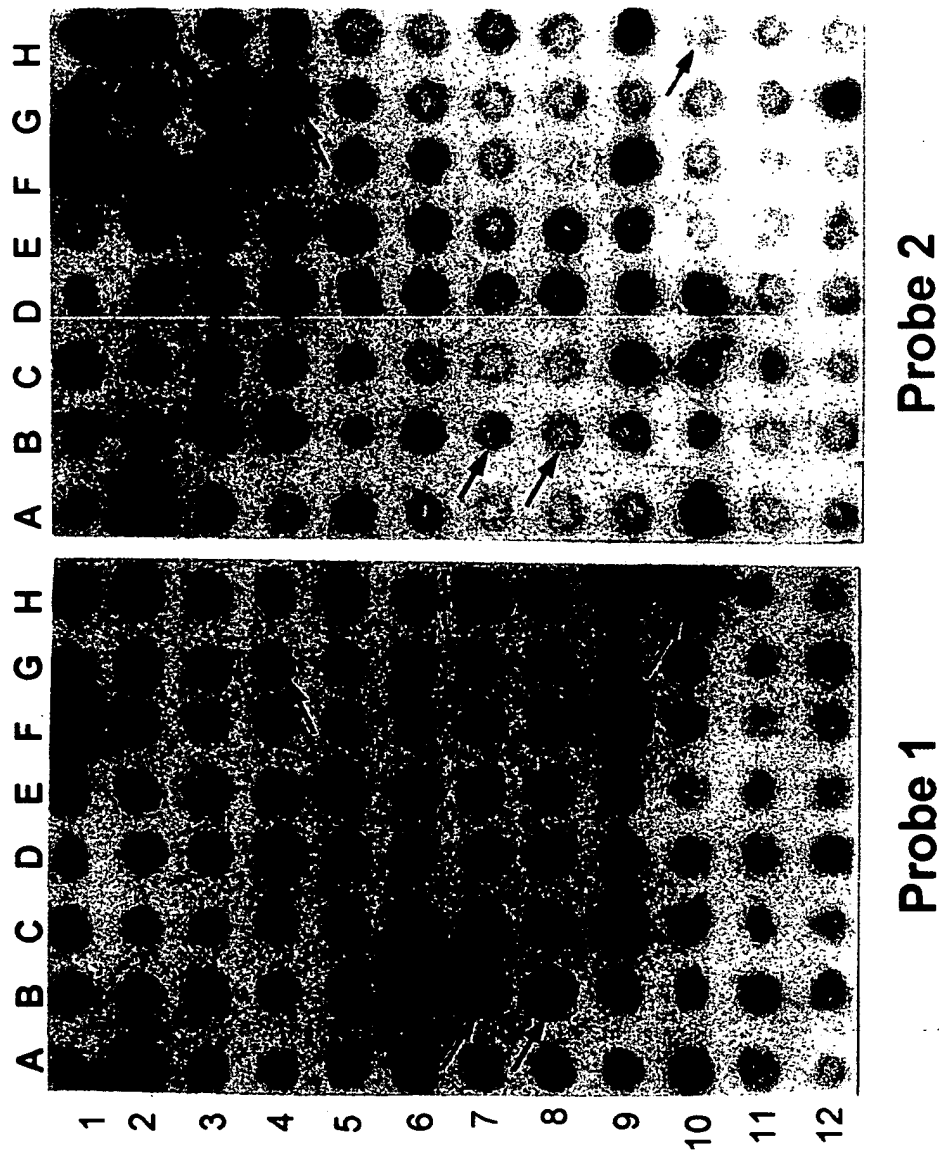
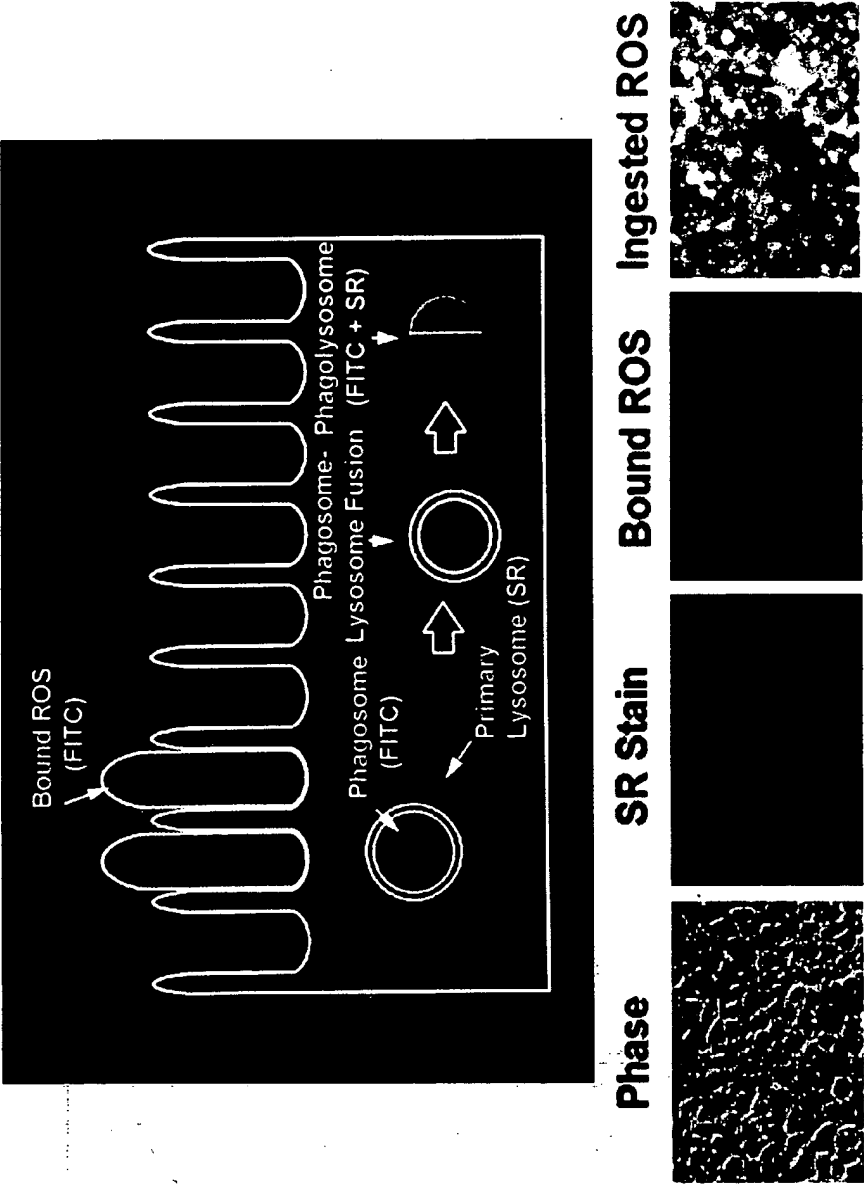


Fig. 1

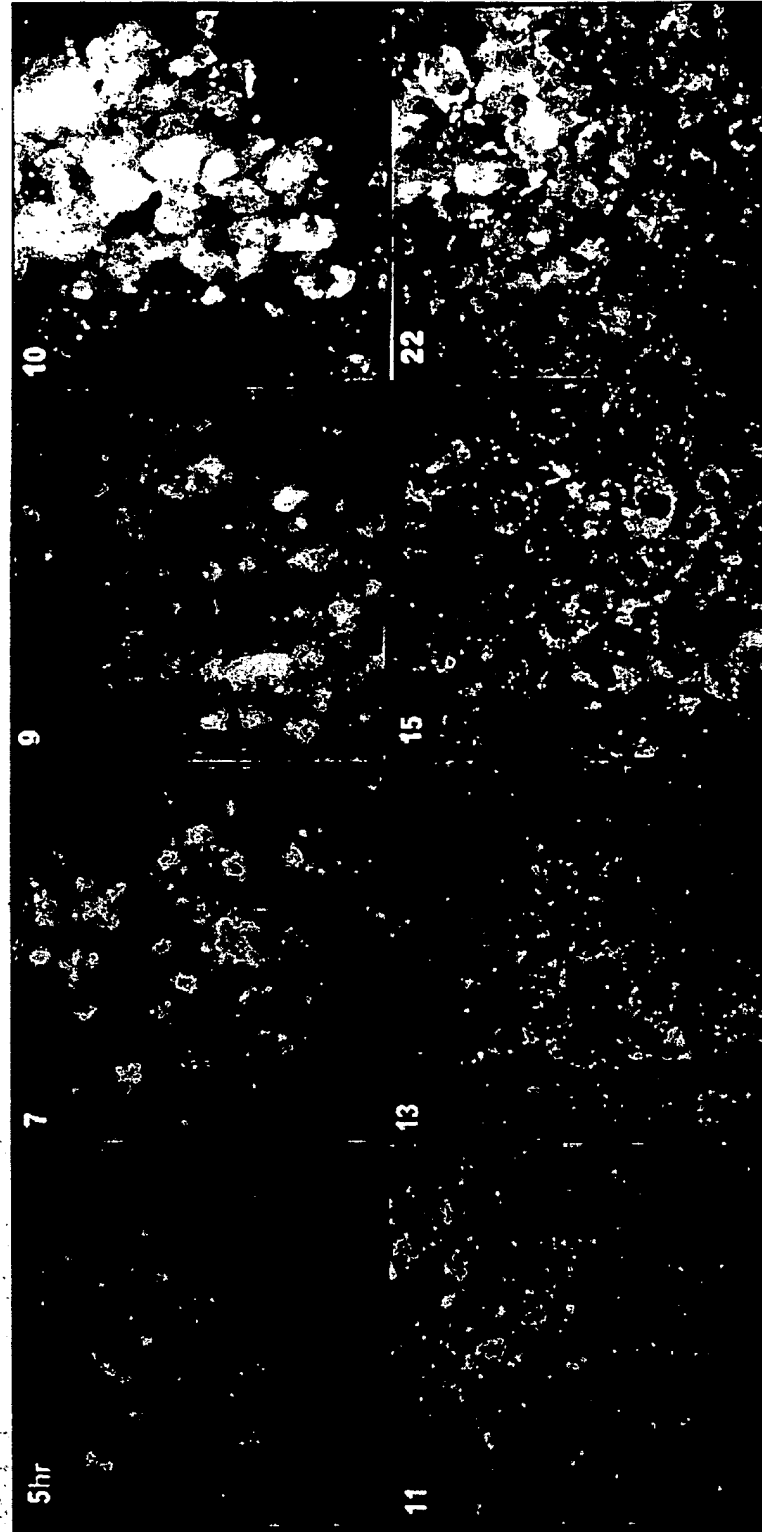
Living Assay of ROS Phagocytosis by BPEI-1 RPE Cell Line



Images of Living BPEI-1 RPE Cells During Phagocytosis Assay

Fig. 2

Synchronous ROS Binding and Ingestion by BPEI-1 Immortal RPE Cell Line



BPEI-1 cells showing ROS binding (5-9 hr) and ingestion (11-22 hr).

Fig. 3

Multi-Gene Expression Profile During ROS Phagocytosis in Vitro

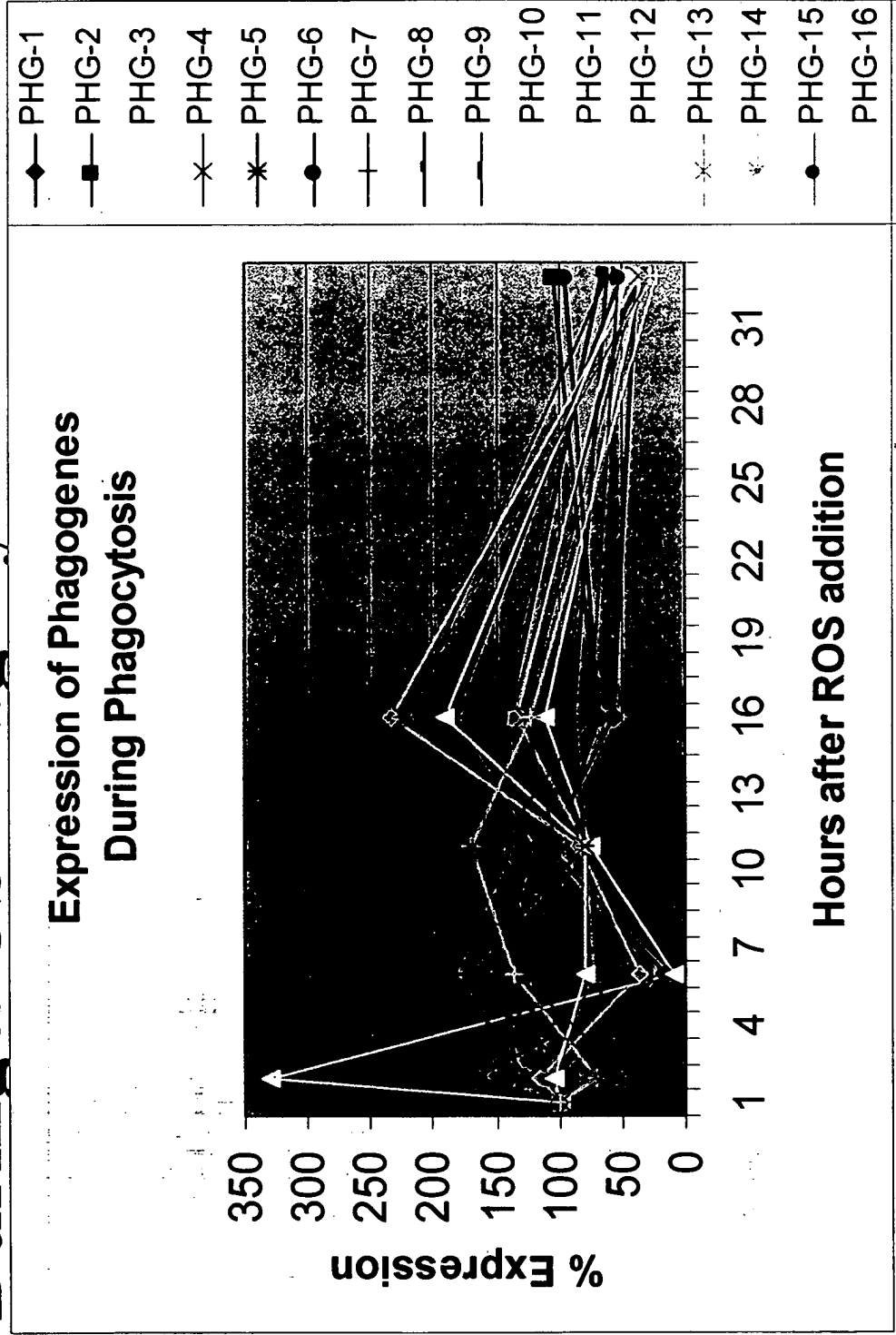
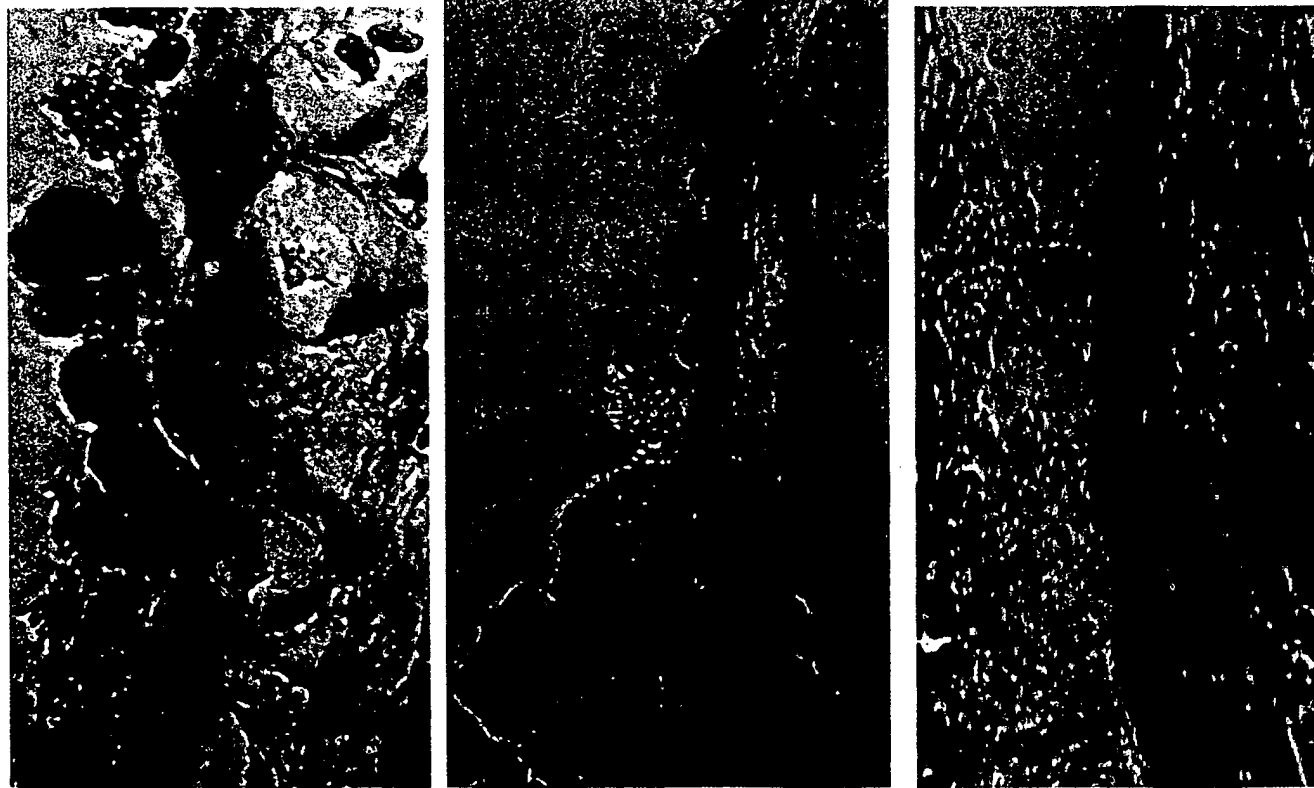


Fig. 4

Grading of Eyes with AMD-related Changes



Severity

+3 - +4

+2 - +3

0 - +1

Fig. 5

Northern Blot Analysis of MT1-MMP Expression During ROS Phagocytosis by RPE Cells

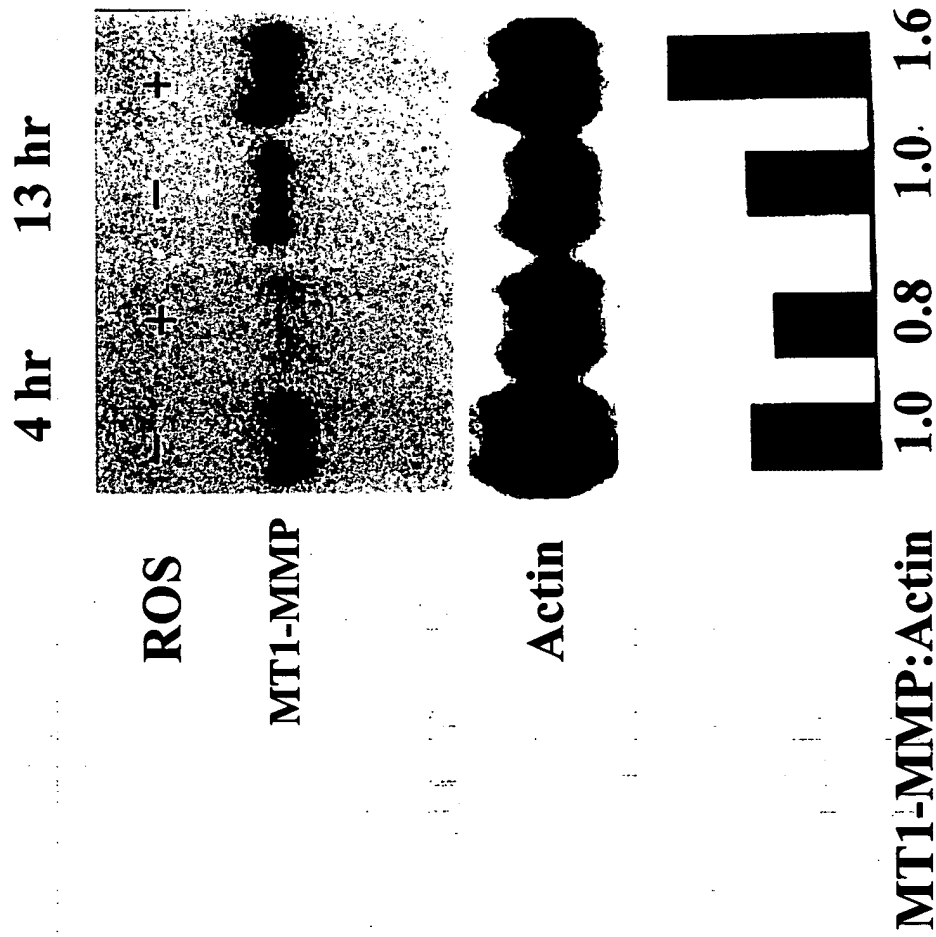


Fig. 6

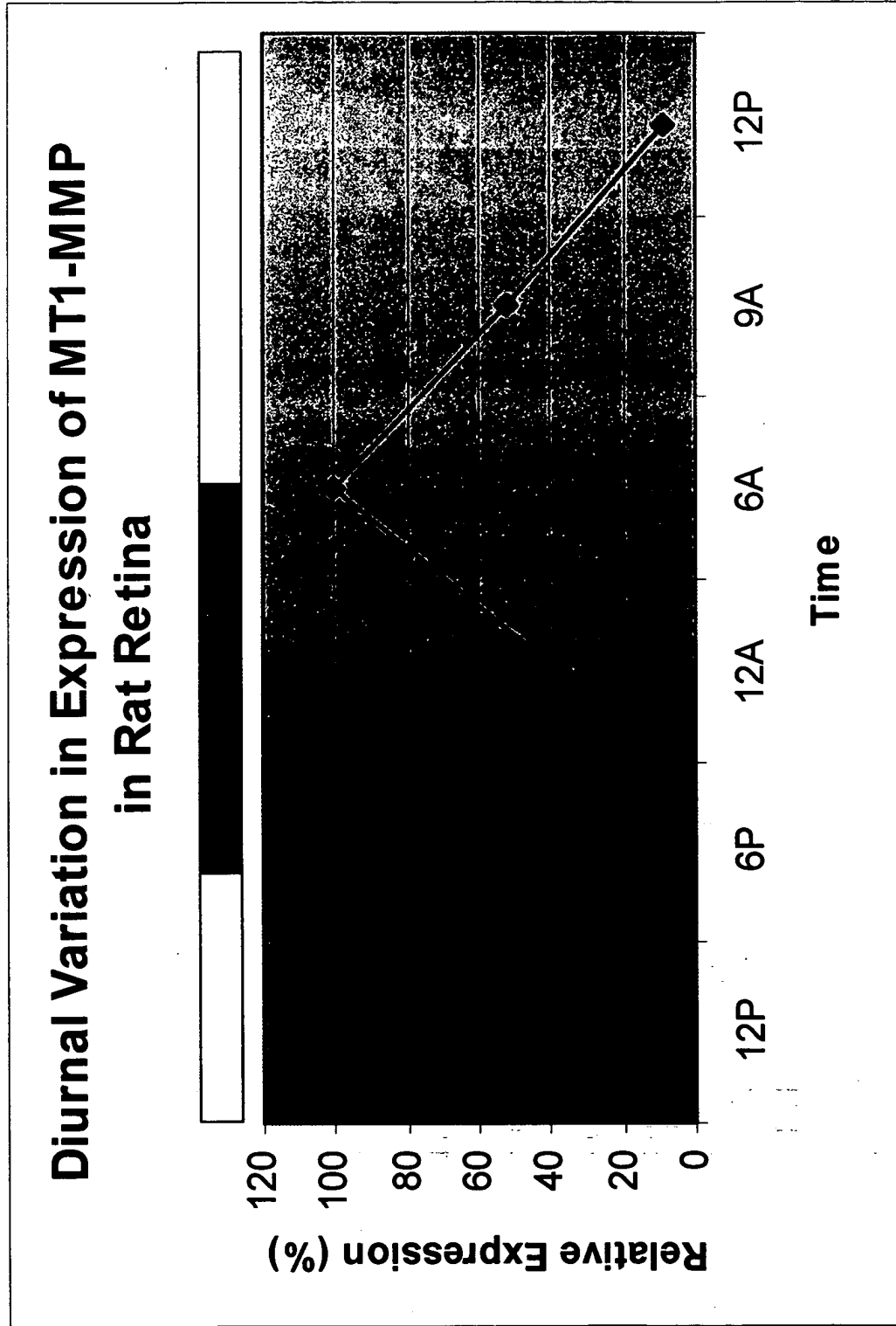


Fig. 7

Diurnal Variation in Immunostaining of Rat Retina with MT1-MMP Antibody

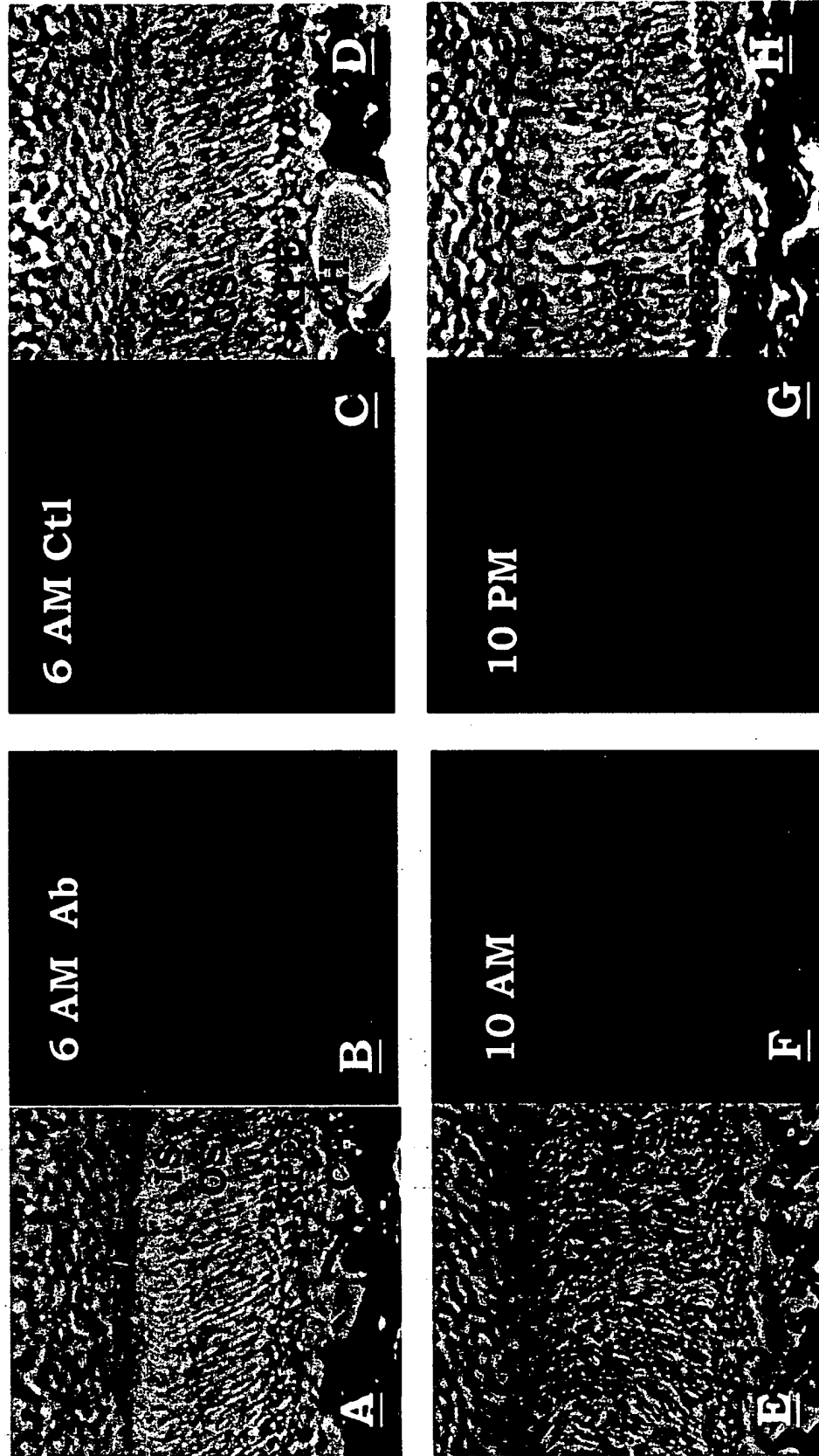


Fig. 8

Immunostaining of Rod and Cone OS and Phagosomes with MT1-MMP Antibody



Fig. 9

Effect of MT1-MMP Antibody on ROS Phagocytosis by Cultured RPE Cells

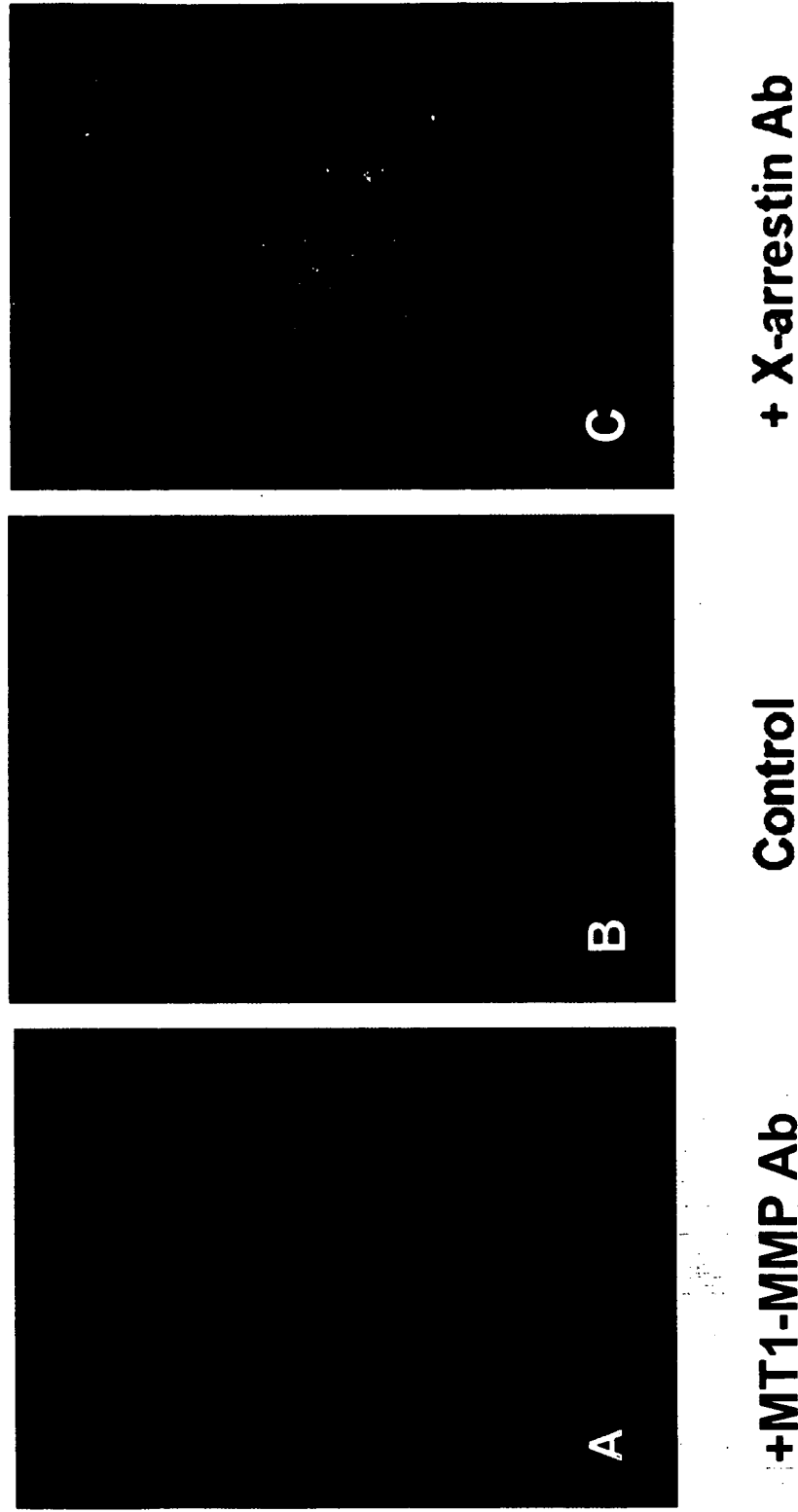


Fig. 10

Effect of Intraocular Injection of MT1-MMP Antibody on Outer Retina of the Rat

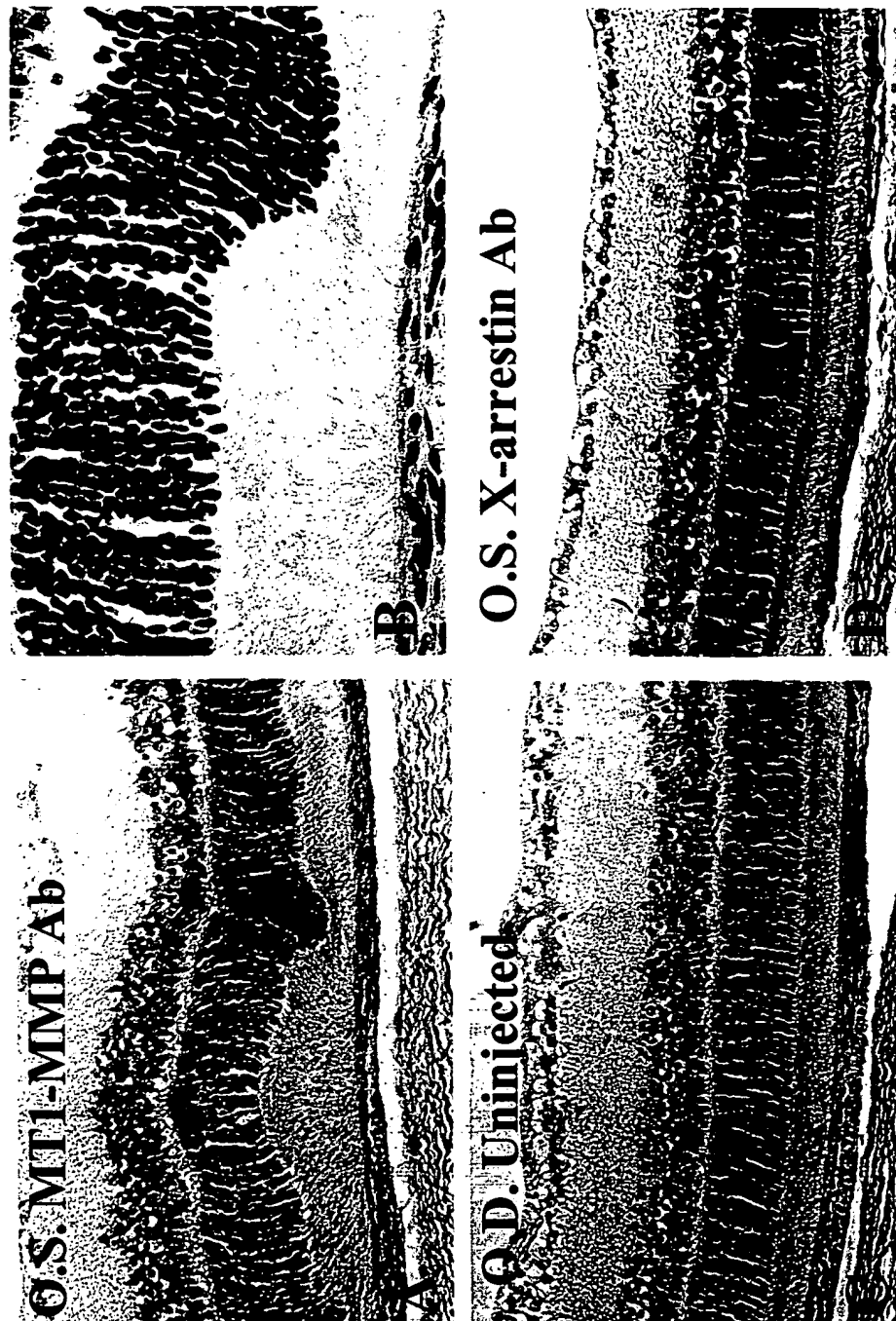


Fig. 11

Northern Blot Analysis of MT1-MMP Expression in AMD-Affected and Normal Eyes

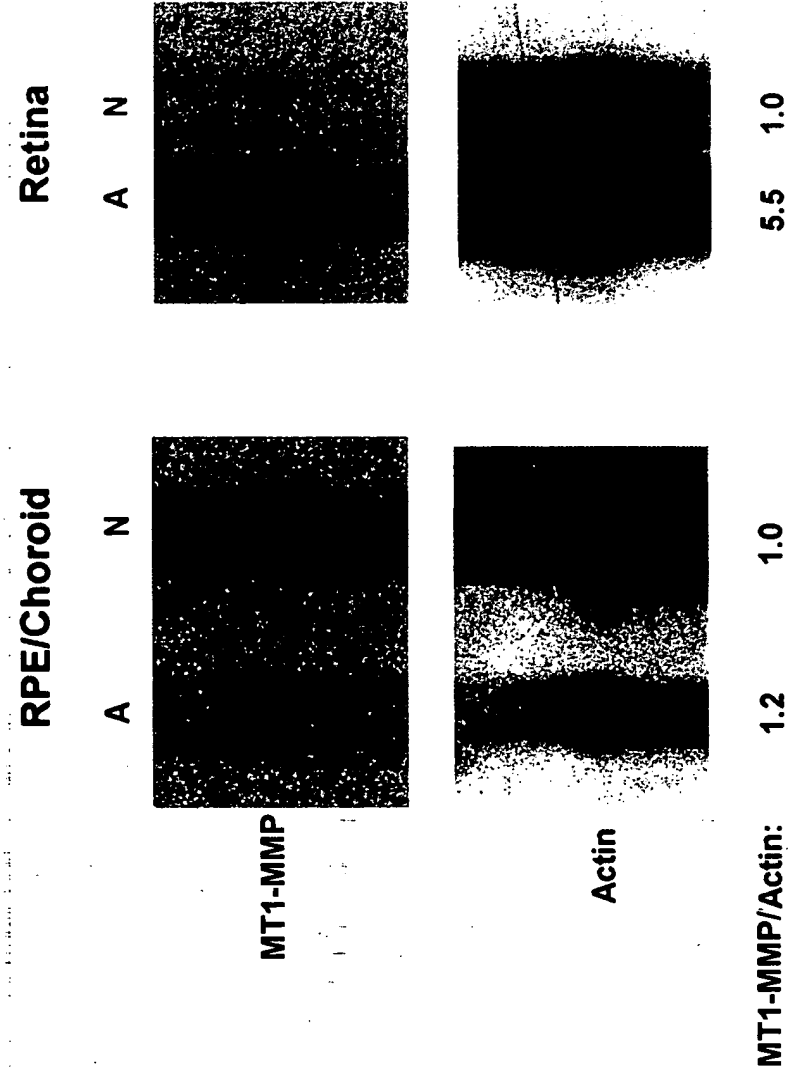


Fig. 12

MT1-MMP Expression in Human Retina: Relationship to Age-related Change

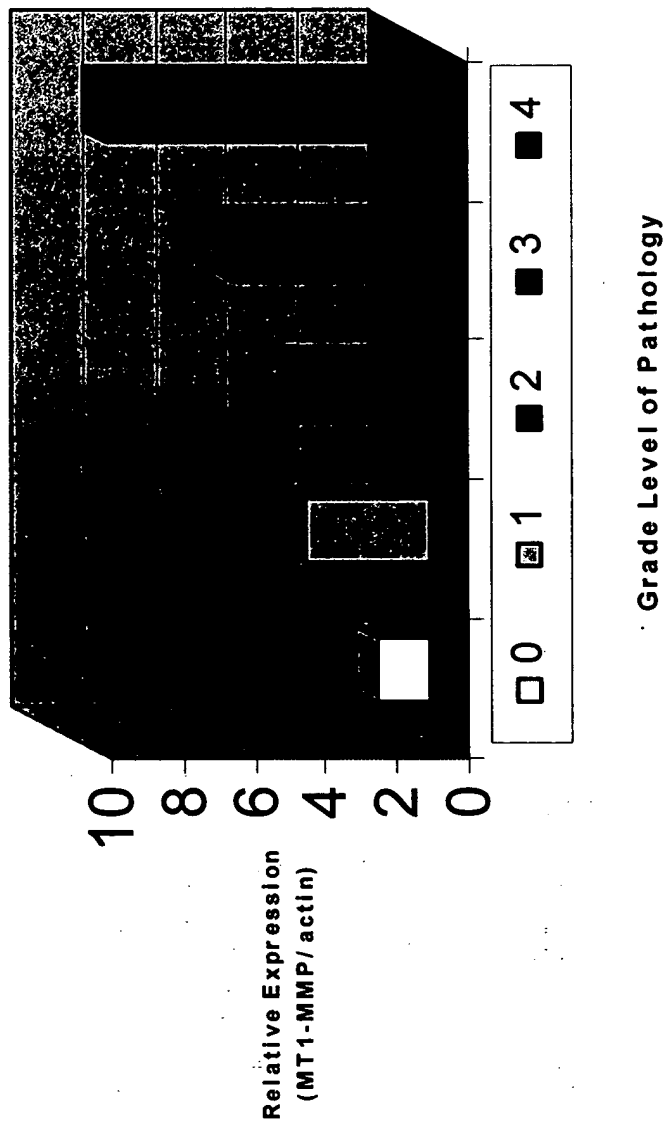


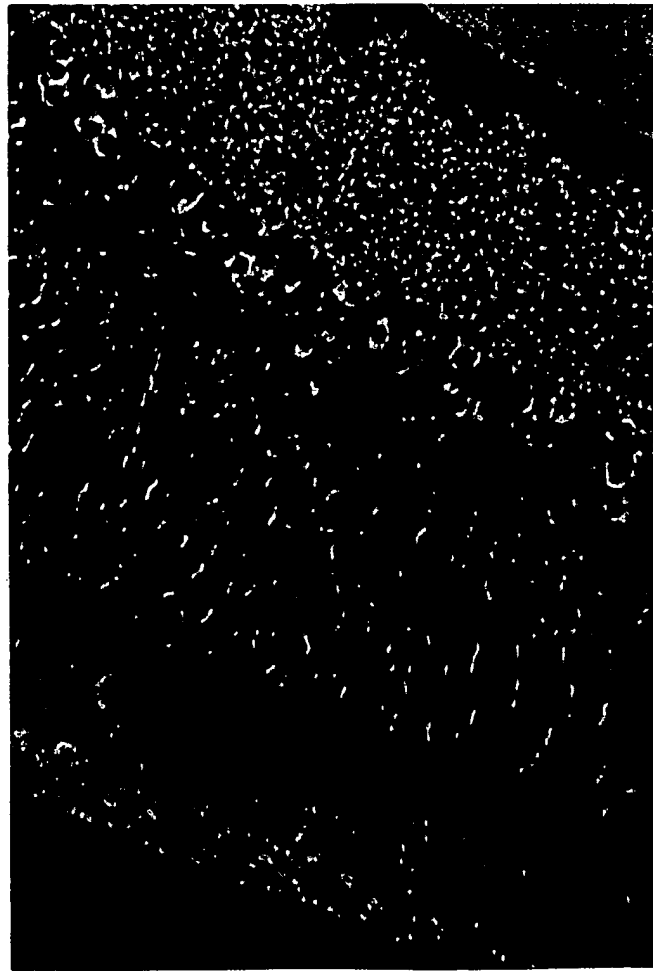
Fig. 13

Fig. 14

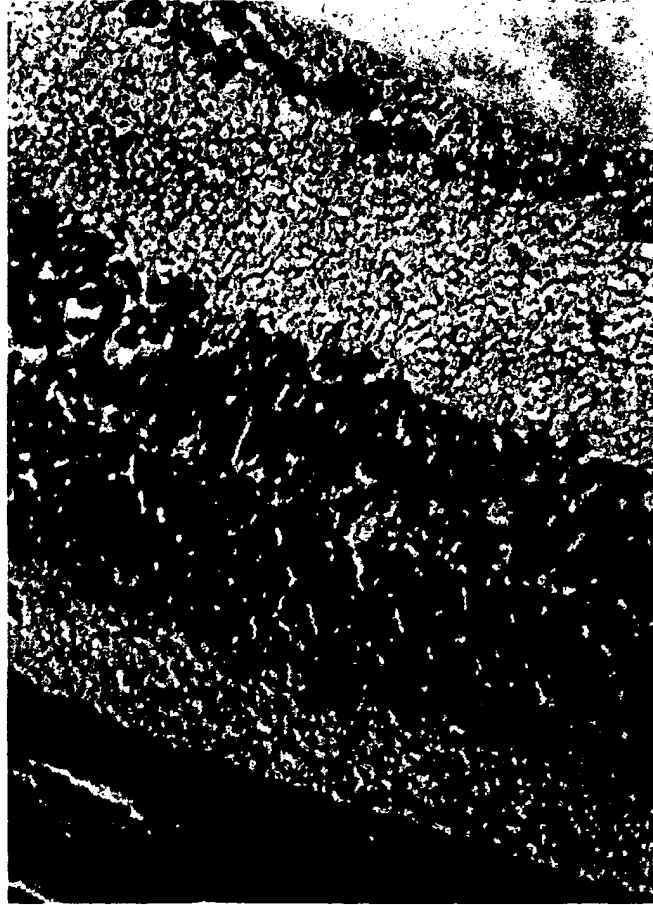
Injection of MT1-MMP Ab into RCS Eye

1 mo after injection

uninjected



A



B

Fig. 15